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a repositioned dimension display which displays the dimension at the desired position relative to the model.

7. The repositioning system of claim 6, in which the geometric model comprises a 3-D sheet metal part model.

AI 8. The repositioning system of claim 7, the repositioned dimension display comprising an extension line creator which creates and displays on the display screen, extension lines between each attachment point and the proximate end of an arrow line if the arrow line has been repositioned so that the proximate end is no longer adjacent to the selected entity.

9. A dimensioning system for a computer generated 3-D model of a sheet metal part including a plurality of entities, the dimensioning system comprising:

a model display which displays a representation of the model on a display screen;

an indicator which indicates to a user candidate entities of the model, in response to user events, that may be selected;

a dimension defining system which defines each dimension associated with the selected entities of the model;

a dimension display which displays dimension information on the display screen based on the defined dimension;

a repositioner which repositions the dimension to a desired position relative to the model; and

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a repositioned dimension display which displays the dimension at the desired position relative to the model.

10. A single entity dimensioning system for a computer generated geometric model including a plurality of entities, the single entity dimensioning system comprising:

a model display which displays a representation of the model on a display screen;

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an indicator which indicates to a user candidate entities of the model, in response to user events, that may be selected;

a selector which selects one entity of the model based upon an indicated candidate entity;

a dimension defining system which defines each dimension associated with the selected entity of the model;

a dimension display which displays a dimension information on the display screen based on the defined dimension;

a repositioner which repositions the dimension to a desired position relative to the model; and

a repositioned dimension display which displays the dimension at the desired position relative to the model.

11. The single entity dimension system of claim 10, in which the geometric model comprises a 3-D sheet metal part model.